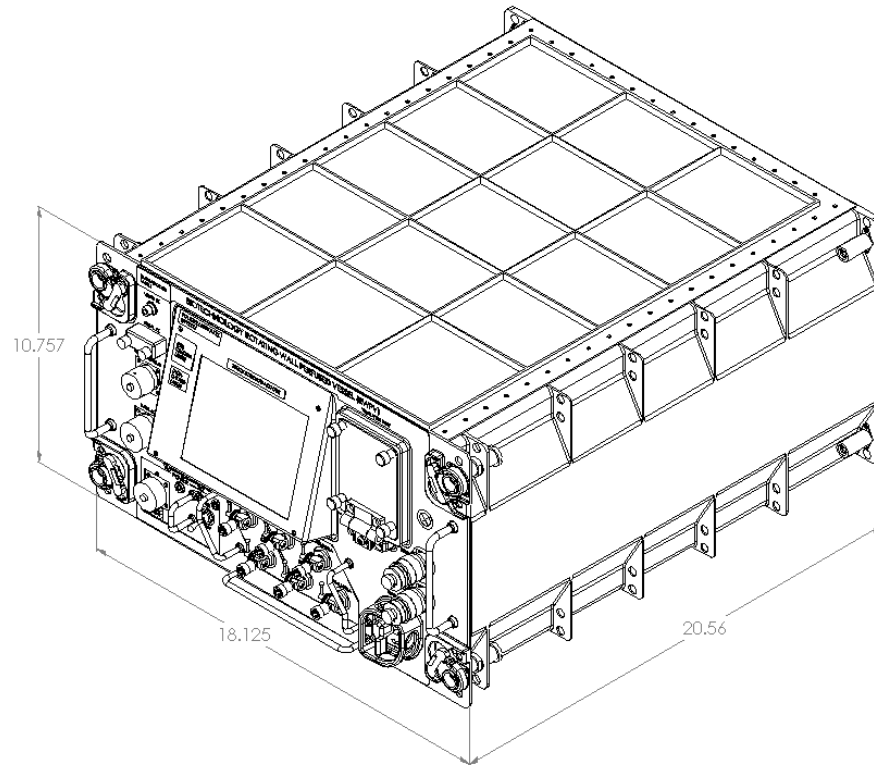


Automated Rotating Culture System (ARCS)



Engineering Description

The ARCS is a middeck locker equivalent sized payload currently being developed for NASA's Biotechnology Cell Science Office. The ARCS payload will be designed to support the growth and development of three-dimensional tissue cultures, facilitate the removal of cell and tissue samples during the experiment, and monitor culture health during experiments on board the Space Shuttle and the International Space Station. . It is currently scheduled for deployment in the Biotechnology Facility (BTF) on ISS in Sept. 2006.